Amendments To The Claims:

This listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) An apparatus for killing microorganisms in an air conditioning system, said air conditioning system having at least one duct for the passage of air therethrough, said apparatus comprising:

~~connecting means~~ a first connector for connecting said apparatus to a main power source;

a fluorescent light ballast configured to convert 60 hertz to 20-100 kilohertz; and

~~an electrical~~ a second connector located in a duct of the air conditioning system~~, coupled to said fluorescent light ballast and~~ adapted to receive a UV -C lamp~~, and~~ wherein said ~~electrical~~ second connector is coupled to said fluorescent light ballast via a coupler ~~coupling means~~ such that the ~~electrical connector may be disposed remote from said~~ first connecting means and said fluorescent light ballast is remote from the duct of the air conditioning system.

2. (Currently Amended) The apparatus of claim 1 further comprising a suppressor ballast coupled to said ~~connecting means~~ first connector for suppressing any electrical surge when the apparatus is activated.

3. (Currently Amended) The apparatus of claim 2 wherein the fluorescent light ballast and said suppressor ballast are disposed in a housing, said housing comprising ~~mounting means~~ a mounting for mounting said housing on a flat surface and wherein said housing has holes therethrough to provide ventilation.

4. (Original) The apparatus of claim 1 wherein the air conditioning system is a

residential air conditioning system.

5. (Original) The apparatus of claim 1 further comprising ~~means for~~ de-energizing the lamp in response to a signal change and an indicator ~~means~~ for indicating when the lamp is energized.

6. (Currently Amended) An apparatus for killing microorganisms in an air conditioning system, said air conditioning system having at least one duct for the passage of air therethrough, said apparatus comprising:

a control relay;

a plurality of fluorescent light ballasts configured to convert 60 hertz to 20 – 100 kilohertz; and

a plurality of electrical connectors located in the duct of the air conditioning system, wherein each of said plurality of electrical connectors is coupled to one of said plurality of fluorescent light ballasts and is adapted to receive a UV -C lamp, and wherein said electrical connectors are coupled to said fluorescent light ballasts via ~~coupling means~~ couplers such that the ~~electrical connectors may be disposed remote from said~~ control relay and said fluorescent light ballasts are remote from the duct of the air conditioning system.

7. (Original) The apparatus of claim 6 further comprising a suppressor ballast coupled to said control relay for suppressing any electrical surge when the apparatus is activated.

8. (Original) The apparatus of claim 6 further comprising a plurality of UV -C lamps designed for mating with said electrical connectors and a plurality of reflectors arranged so that one of said plurality of reflectors is disposed at least one end of each of said plurality of lamps.

9. (Original) The apparatus of claim 6 wherein the plurality of connectors, lamps and reflectors are disposed in said duct, and wherein said plurality of reflectors spin as air flows through said duct.

10. (Original) The apparatus of claim 6 wherein the fluorescent light ballasts are 220 volt ballasts.

11. (Original) The apparatus of claims 6 further comprising

means for de-energizing the lamps in response to a signal change and indicator means for indicating when one or more of the plurality of lamps are energized

12. (Original) The apparatus of claim 11 wherein the indicator means comprises an LED indicator light coupled to each one of said plurality of fluorescent light ballasts to indicate whether power is going to each of said fluorescent light ballasts.

13. (Original) The apparatus of claim 6 further comprising a safety switch operatively coupled to said control relay.

14. (Original) The apparatus of claim 13 wherein the UV -C lamps are disposed inside said duct, and a door is disposed on said duct to allow access to said lamps and wherein said safety switch comprises a door jamb light switch which is actuated when said door is opened.

15. (Original) The apparatus of claim 13 wherein the UV -C lamps are disposed inside said duct, and a door is disposed on said duct to allow access to said lamps and wherein said

safety switch comprises a switch that allows the UV -C lamps to be energized so long as the safety switch is depressed or the door is closed.

16. (Original) The apparatus of claim 13 wherein the safety switch comprises a micro-switch.

17. (Original) The apparatus of claim 13 wherein the safety switch comprises a momentary contact safety switch.

18. (Currently Amended) The apparatus of claim ~~6~~ 8 wherein ~~the electrical connectors,~~ said UV -C lamps and said reflectors are disposed inside said duct and said control relay and said plurality of fluorescent light ballasts are disposed remotely from said air conditioning system.

19. (Currently Amended) The apparatus of claim ~~6~~ 8 wherein ~~the electrical connectors,~~ said UV -C lamps, said reflectors said control relay and said plurality of fluorescent light ballasts are disposed inside the air conditioning system.

20 (Original) The apparatus of claim 6 further comprising an aluminum cover.

21. (Original) The apparatus of claim 6 wherein the air conditioning system is a commercial air conditioning system.

22. (Original) The apparatus of claim 6 further comprising an exhaust fan.

Claims 23-28 (Cancelled).

29. (Original) ~~An~~ A method for killing microorganisms in an air conditioning system, said air conditioning system having at least one duct for the passage of air therethrough, said method comprising:

providing a first connector ~~connecting means~~ for connecting to a main power source;

providing a fluorescent light ballast coupled to said suppressor ballast, said fluorescent light ballast configured to convert 60 hertz to 20-100 kilohertz; and

providing ~~an electrical~~ a second connector located in a duct of the air conditioning system~~, coupled to said fluorescent light ballast and~~ adapted to receive a UV -C lamp,~~ and~~ wherein said ~~electrical~~ second connector is coupled to said fluorescent light ballast via a coupler ~~coupling means~~ such that the ~~electrical connector may be disposed remote from said~~ first connecting means and said fluorescent light ballast is remote from the duct of the air conditioning system and wherein said ballast is not subjected to all of the vibrations of the air conditioning system.

30. (Original) The method of claim 29 further comprising ~~the steps of~~ providing means for de-energizing the lamp in response to a signal change and providing indicator means for indicating when the lamp is energized.

31. (Currently Amended) The method of claim 29 further comprising providing a suppressor ballast coupled to said first connector ~~connecting means~~ for suppressing any electrical surge when the apparatus is activated.

32. (Original) The method of claim 29 further comprising providing a housing, wherein said fluorescent light ballast is disposed in said housing, said housing comprising mounting

means for mounting said housing on a flat surface and wherein said housing has holes therethrough to provide ventilation.

33. (Original) The method of claim 29 wherein the air conditioning system is a residential air conditioning system.

34. (Original) The method of claim 29 wherein the air conditioning system is a commercial air conditioning system.

Please add the following new claims:

35. (New) An apparatus for cleaning air in an air conditioning system, said air conditioning system having at least one cooling coil and at least one duct, said apparatus comprising:

a fluorescent light ballast;

a first UV-C lamp connected to the fluorescent light ballast and located on a first side of the cooling coil in said air conditioning system; and

a second UV-C lamp connected to the fluorescent light ballast and located on a second side of the cooling coil in said air conditioning system.

36. (New) The apparatus of claim 35, wherein the fluorescent light ballast is located remotely from the duct and said ballast is not subjected to all of the vibrations of the air conditioning system.

37. (New) The apparatus of claim 35 further comprising a suppressor ballast coupled to the fluorescent light ballast for suppressing any electrical surge when the apparatus is activated.

38. (New) The apparatus of claim 37 wherein the fluorescent light ballast and said suppressor ballast are disposed in a housing, said housing comprising a mounting for mounting said housing on a flat surface and wherein said housing has holes therethrough to provide ventilation.

39. (New) The apparatus of claim 35 wherein the air conditioning system is a residential air conditioning system.

40. (New) The apparatus of claim 35 further comprising
de-energizing the lamp in response to a signal change and an indicator means for indicating when the lamp is energized.

41. (New) An apparatus for cleaning air in an air conditioning system, said air conditioning system having at least one cooling coil and at least one duct, said apparatus comprising:

a fluorescent light ballast;

at least one UV-C lamp connected to the fluorescent light ballast for cleaning the entire cooling coil in said air conditioning system.

42. (New) The apparatus of claim 41, wherein the fluorescent light ballast is located remotely from the duct and wherein said ballast is not subjected to all of the vibrations of said air conditioning system.

43. (New) The apparatus of claim 41 further comprising a suppressor ballast coupled to the fluorescent light ballast for suppressing any electrical surge when the apparatus is activated.

44. (New) The apparatus of claim 43 wherein the fluorescent light ballast and said suppressor ballast are disposed in a housing, said housing comprising a mounting for mounting said housing on a flat surface and wherein said housing has holes therethrough to provide ventilation.

45. (New) The apparatus of claim 41 wherein the air conditioning system is a residential air conditioning system.

46. (New) The apparatus of claim 41 further comprising
de-energizing the lamp in response to a signal change and an indicator for indicating when the lamp is energized.

47. (New) The apparatus of claim 1, wherein the ballast is not subjected to all of the vibrations of the air conditioning system.

48. (New) The apparatus of claim 1, wherein the ballasts are not subjected to all of the vibrations of the air conditioning system.